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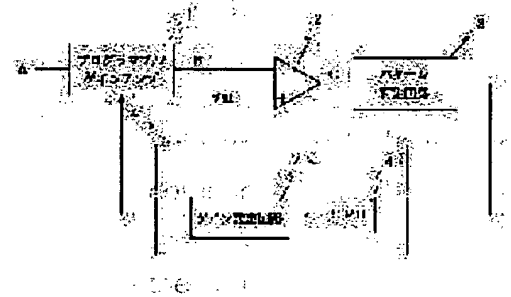
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## (54) OPTICAL DISK DEVICE

### (57)Abstract:

**PURPOSE:** To obtain a stable reproduction operation even though there exist media standard deviations which cause misdemodulation by setting an optimum reproduction amplifier gain against a certain fixed slice level.

**CONSTITUTION:** Preformat signals which are reproduced or magneto-optical signals A are inputted to a programmable gain amplifier 1. Output signals B of the amplifier 1 are inputted to a comparator 2 and if they are sliced at a certain slice level voltage Vs1, mark length demodulated pulse signals C are outputted from the comparator 2. The patterns of the generated pulse signals C are given to a pattern discriminating circuit 3, are discriminated whether they are coincident with the patterns, which are beforehand known, or not and the result of the discrimination is transmitted to a CPU 4a of a gain setting section 4. By this, the extent of the gain of the amplifier 1 is detected and after that, the gain of the gain amplifier is kept within the detected gain region and the demodulation of the signals is conducted.



## LEGAL STATUS

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